California Air Resources Board (ARB)

Public Workshop on the Proposed Suggested Control Measure for Automotive Refinish Coatings

August 11, 2005
10:00 a.m. to 12:00 p.m. (PST)
San Francisco Bay Regional Water Quality Control Board
Oakland, California

AGENDA

1. Introductions
2. ARB Staff Presentation (Proposed SCM)
3. Questions/Open Discussion
4. Next Steps

Proposed Automotive Refinish Coatings SCM

Fourth Public Workshop
August 11, 2005
Oakland

California Environmental Protection Agency

Air Resources Board

Overview

- **Background**
- **Proposed SCM for Automotive Refinish Coatings**
- **Schedule**
- **Questions/Open Discussion**

Automotive Refinish Coatings SCM

Background

- Local districts regulate VOC emissions from automotive coatings
- Twenty districts have local rules
- Fifteen districts have National Rule VOC limits

Automotive Refinish Coatings SCM

Background

- ARB has oversight authority
- Provides technical assistance -

  Development of the SCM
- SCM serves as a model rule for districts

Automotive Refinish Coatings SCM

SCM Objectives:

- Increase consistency among district rules
- Improve rule enforceability
- Protect public health by reducing VOC emissions

Automotive Refinish Coatings SCM

Overview of SCM Proposal

- Combines Group I and Group II VOC limits
- Eliminates the composite VOC limit for multistage systems
- Combines coating categories
- Replaces specialty coatings categories with specific categories

Overview of SCM Proposal (continued)

- Establishes VOC limits based on available technology
- Establishes prohibition of possession
- Lowers the VOC limit for solvents used in cleaning operations to 25 grams per liter
- Simplifies recordkeeping
- Improves labeling

Automotive Refinish Coatings SCM

Key Changes to SCM Proposal

- tBAc is added to the VOC exemption list
- Two additional coating categories

Automotive Refinish Coatings SCM

Proposed Coating Categories

Existing Coating Category	*Proposed Coating Category*
Pretreatment Wash Primer	**Pretreatment Coating**
Adhesion Promoter Plastic Primer	**Adhesion Promoter**
Precoat Primer Primer Surfacer Primer Sealer Flexible Primers	**Primer**

Automotive Refinish Coatings SCM

Proposed Coating Categories (continued)

Existing Coating Category	*Proposed Coating Category*
Multi-stage Topcoat System (color portion) Camouflage	→ **Color Coat**
Multi-colored	→ **Multi-Color Coating**
Uniform Finish Coating	→ **Uniform Finish Coating**

Automotive Refinish Coatings SCM

Proposed Coating Categories (continued)

Existing Coating Category	*Proposed Coating Category*
Multi-stage Topcoat System (clear portion) Multi-colored Multi-Stage (clear portion) Elastomeric Clears	→ **Clear Coat**
Topcoat Single-Stage Coating Metallic/Irridescent Topcoat	→ **Single-Stage Coating**
Truck Bed Liner Coating	→ **Truck Bed Liner Coating**

Automotive Refinish Coatings SCM

Proposed Coating Categories (continued)

Existing Coating Category		*Proposed Coating Category*
Temporary Protective	→	**Temporary Protective Coating**
Rubberized Asphaltic Underbody	→	**Underbody Coating**
Anti-Glare Safety Coatings Impact Resistant Coatings Water Holdout Coatings Weld Thru Coatings Bright Metal Trim Repair	→	**Any Other Coating Type**

Automotive Refinish Coatings SCM

Proposed VOC limits effective 1/1/08

Coating Category	*VOC in grams per liter as applied*
Adhesion Promoter	540 *
Clear Coat	250
Color Coat	420
Multi-color Coating	680
Pretreatment Coating	660 *
Primer	250
Single-Stage Coating	340
Temporary Protective Coating	60
Truck Bed Liner Coating	310
Underbody Coating	430
Uniform Finish Coating	540
Any Other Coating Type	250

Automotive Refinish Coatings SCM

Benefits of the Proposed SCM

- Total estimated emissions from this category are 20.7 tons per day

- Preliminary estimates indicate the proposed SCM would reduce emissions by 13 tons per day

Automotive Refinish Coatings SCM

Potential Impacts on Body Shops

- Use lower VOC Coatings (possibly water-borne color)
- Train Paint Technicians
- Air Movement and Heating Equipment

Automotive Refinish Coatings SCM

Potential Cost Impacts

Shop Size	Annual Gross Revenue
Small	Less than one million dollars
Medium	Between one and three million dollars
Large	More than three million dollars

Assumptions:

- Shops have to convert mixing bank to water-borne coatings
- Painter(s) must be retrained

Cost range: $7,000 to $50,000 per booth

Automotive Refinish Coatings SCM

Air Movement Systems

Automotive Refinish Coatings SCM

- **Comments on draft SCM regulatory language by August 19, 2005**

Automotive Refinish Coatings SCM

Schedule

- **September 20, 2005:**
  Proposed SCM and Staff Report

- **October 20, 2005:**
  Tentative Board Hearing Date

Automotive Refinish Coatings SCM

Public Involvement

- **Website:**
  http://www.arb.ca.gov/coatings/autorefin/scm/scm.htm
- **Sign up for List Server to get updates**
- **Provide Comments**
- **Meet with ARB**
- **Attend Board Hearing**
  (can participate via internet)

ARB Points of Contact

David Mehl
dmehl@arb.ca.gov
(916) 324-8177

Jose Gomez, Manager
jgomez@arb.ca.gov
(916) 324-8033

ARB
Stationary Source Division
Measures Assessment Branch
1001 I Street, P.O. Box 2815
Sacramento, CA 95812

Bay Area AQMD Points of Contact

Rulemaking:
Victor Douglas
(415) 749-4752

Compliance:
Jeremy Kimbal
(415) 749-5023

Bay Area AQMD
939 Ellis Street
San Francisco, CA 94109


QUESTIONS?